bs-0580R **[Primary Antibody]**

SOCS3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9021 **SWISS:** O14543

Target: SOCS3

Immunogen: KLH conjugated synthetic peptide derived from human Socs3: 155-225/225.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Cytokines signal transduction pathway suppressor of cytokine signaling 3 positive cells in the brain are widely distributed, some of the cytoplasm of neurons, nerve fibers, glial cell line. suppressor of cytokine signaling 3 studies in recent years to prove: vascular endothelial cells also showed immune SOCS 3-positive.

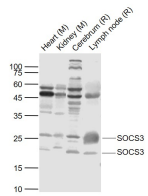
Applications: **WB** (1:500-2000)
Flow-Cyt (1ug/Test)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)

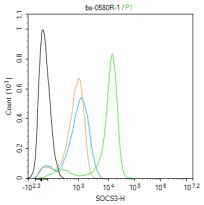
Predicted MW.: 25 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Heart (Mouse) Lysate at 40 ug Lane 2: Kidney (Mouse) Lysate at 40 ug Lane 3: Cerebrum (Rat) Lysate at 40 ug Lane 4: Lymph node (Rat) Lysate at 40 ug Primary: Anti-SOCS3 (bs-0580R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 23-27 kD Observed band size: 27/23 kD



Blank control:U937. Primary Antibody (green line): Rabbit Anti-SOCS3 antibody (bs-0580R) Dilution: 1ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=7.666]** Monika Bednarczyk. et al. β2 Integrins on Dendritic Cells Modulate Cytokine Signaling and Inflammation-Associated Gene Expression, and Are Required for Induction of Autoimmune Encephalomyelitis. CELLS-BASEL. 2022 Jan;11(14):2188 IF ;Mouse. 35883631
- **[IF=2.559]** Bi J et al. PPARγ alleviated hepatocyte steatosis through reducing SOCS3 by inhibiting JAK2/STAT3 pathway. Biochem Biophys Res Commun. 2018 Apr 15;498(4):1037-1044. ICC,WB ;Rat. 29550470
- **[IF=2.41]** Liu, Wen-bin, et al. "CpG island hypermethylation of multiple tumor suppressor genes associated with loss of

their protein expression during rat lung carcinogenesis induced by 3-methylcholanthrene and diethylnitrosamine." Biochemical and biophysical research communications 402.3 (2010): 507. IHC ;Rat. 20970405

- **[IF=2.33]** Zhu, Jian-guo, et al. "Expression of SOCSs in human prostate cancer and their association in prognosis." Molecular and cellular biochemistry (2013): 1-9. Other ;Human. 23666742
- **[IF=1.96]** Kou, Wei, et al. "Transforming growth factor-β1 promotes Treg commitment in nasal polyposis after intranasal steroid treatment." Inflammation Research (2013): 1-7. ELISA ;Human. 23178794